

Claims:

1. A method to manage packet fragmentation, comprising:
determining an operating parameter for a packet;
5 determining an operating status for said operating parameter; and
performing packet fragmentation substantially in accordance with said operating
status.
2. The method of claim 1, wherein said operating parameter represents a priority
10 level for said packet.
3. The method of claim 2, wherein said operating status comprises an operating
status consisting essentially of one of the following: active and de-active.
- 15 4. The method of claim 3, wherein said priority level is high and said operating
status is active.
5. The method of claim 3, wherein said priority level is low and said operating status
is de-active.
- 20 6. The method of claim 3, wherein said determining an operating status for said
operating parameter, comprises:

evaluating whether said operating parameter has been determined within a limited time period; and

determining said operating status substantially in accordance with said evaluation.

5 7. The method of claim 6, wherein said operating parameter is a high priority level, said high priority level was determined within said time period, and said operating status is active.

10 8. The method of claim 6, wherein said operating parameter is a low priority level, said low priority level having been determined within said time period, and said operating status is de-active.

15 9. The method of claim 1, wherein said determining an operating status for said operating parameter comprises:

searching for said operating parameter; and
retrieving said operating status associated with said operating parameter.

20 10. The method of claim 1, wherein said determining an operating parameter comprises:

receiving said packet with an operating parameter identifier; and
retrieving said operating parameter identifier from said packet.

11. The method of claim 10, wherein said operating parameter identifier represents a priority level for said product.

12. The method of claim 11, wherein said operating parameter identifier comprises an operating parameter identifier consisting essentially of one of the following: a differential services code byte, a real time protocol identifier, a voice over Internet Protocol identifier and a voice information identifier.

13. The method of claim 1, wherein said operating parameter comprises an operating parameter identifier consisting essentially of one of the following: a time, a date and a time and date.

14. The method of claim 13, wherein determining an operating parameter comprises: searching for said operating parameter; and retrieving said operating status associated with said retrieved operating parameter.

15. A method to manage packet fragmentation, comprising: receiving a packet; determining whether said packet comprises a packet consisting essentially of one of the following: time sensitive and non-time sensitive information; and performing packet fragmentation if said packet comprises essentially non-time sensitive information.

16. An article comprising:

a storage medium;

said storage medium including stored instructions that, when executed by a processor, result in determining an operating parameter for at least one packet,

5 determining an operating status for said operating parameter, and performing packet fragmentation substantially in accordance with said operating status.

17. The article of claim 16, wherein the stored instructions, when executed by a processor, further result in setting said operating status to activate packet fragmentation.

18. The article of claim 16, wherein the stored instructions, when executed by a processor, further result in setting said operating status to deactivate packet fragmentation.

19. The article of claim 16, wherein the stored instructions, when executed by a processor, further result in determining said operating status by evaluating whether said operating parameter has been determined within a limited time period, and determining said operating status substantially in accordance with said evaluation.

20. The article of claim 16, wherein the stored instructions, when executed by a processor, further result in determining said operating status by searching for said operating parameter, and retrieving said operating status associated with said operating parameter.

21. A system comprising:

a computer platform adapted to manage packet fragmentation;

said platform being further adapted to determine an operating parameter for at

5 least one packet, determine an operating status for said operating parameter, and perform
packet fragmentation substantially in accordance with said operating status.

22. The system of claim 21, wherein said platform is further adapted to set an
operating status to activate packet fragmentation.

23. The system of claim 21, wherein said platform is further adapted to set an
operating status to deactivate packet fragmentation.

24. The system of claim 21, wherein said platform is further adapted to determine
15 said operating status by evaluating whether said operating parameter has been determined
within a limited time period, and to determine said operating status substantially in
accordance with said evaluation.

25. The system of claim 21, wherein said platform is further adapted to determine
20 said operating status by searching for said operating parameter, and retrieve an operating
status associated with said operating parameter.

26. A method to perform packet fragmentation, comprising:
determining an operating parameter;
determining a packet fragment size using said operating parameter; and
modifying said packet fragment size substantially in accordance with said
5 determination.

27. The method of claim 26, wherein said operating parameter comprises a
connection speed.

10 28. The method of claim 27, wherein said packet fragment size increases as said
connection speed increases.

29. The method of claim 27, wherein said packet fragment size decreases as said
connection speed decreases.

15 30. The method of claim 26, wherein said operating parameter comprises a priority
level.

31. The method of claim 30, wherein said packet fragment size decreases as said
20 priority level increases.

32. The method of claim 30, wherein said packet fragment size increases as said
priority level decreases.

33. The method of claim 30, wherein said determining comprises:

evaluating whether said operating parameter has been determined within a limited
time period; and

5 determining said packet fragment size substantially in accordance with said
evaluation.

34. The method of claim 26, wherein said at least one operating parameter comprises
a connection speed and priority level.

35. The method of claim 34, wherein said packet fragment size increases within a
priority level as said connection speed increases.

36. The method of claim 34, wherein said packet fragment size decreases within a
15 priority level as said connection speed decreases.

37. The method of claim 34, wherein said determining said packet fragment size
comprises:

evaluating whether said operating parameter has been determined within a time
20 period; and

determining said packet fragment size in accordance with said evaluation.

38. The method of claim 37, wherein said operating parameter is a high priority level, said high priority level was determined within said time period, and said operating status is active.

5 39. The method of claim 37, wherein said operating parameter is a low priority level, said low priority level having been determined within said time period, and said operating status is de-active.

10 40. The method of claim 26, wherein said determining comprises:
searching for said at least one operating parameter; and
retrieving a packet fragment size associated with said at least one operating parameter.

15 41. An article comprising:
a storage medium;
said storage medium including stored instructions that, when executed by a processor, result in to determine an operating parameter, to determine a packet fragment size using said operating parameter, and to modify said packet fragment size in accordance with said determination.

20 42. The article of claim 41, wherein the stored instructions, when executed by a processor, further result in determining said packet fragment size by searching for said at

least one operating parameter, and retrieving a packet fragment size associated with said at least one operating parameter.

43. A system comprising:

- 5 a computer platform adapted to perform packet fragmentation;
said platform being further adapted to determine an operating parameter,
determine a packet fragment size using said operating parameter, and modify said packet
fragment size substantially in accordance with said determination.

- 10 44. The system of claim 43, wherein said platform is further adapted to determining
said packet fragment size by searching for said at least one operating parameter, and
retrieving said packet fragment size associated with said at least one operating parameter.